

# FILE NOTATIONS

Entered in NID File

✓

Entered On S R Sheet

\_\_\_\_\_

Location Map Pinned

\_\_\_\_\_

Card Indexed

✓

I W R for State or Fee Land

\_\_\_\_\_

Checked by Chief

\_\_\_\_\_

Copy NID to Field Office

\_\_\_\_\_

Approval Letter

\_\_\_\_\_

Disapproval Letter

\_\_\_\_\_

## COMPLETION DATA:

Date Well Completed

12-10-76

Location Inspected

\_\_\_\_\_

OW\_\_\_\_\_ WW\_\_\_\_\_ TA\_\_\_\_\_

Bond released

\_\_\_\_\_

GW\_\_\_\_\_ OS\_\_\_\_\_ PA\_\_\_\_\_

✓

State of Fee Land

\_\_\_\_\_

## LOGS FILED

Driller's Log

✓

Electric Logs (No. )

✓

E\_\_\_\_\_

I\_\_\_\_\_

E-I\_\_\_\_\_

GR\_\_\_\_\_

GR-N\_\_\_\_\_

Micro\_\_\_\_\_

Lat\_\_\_\_\_

Mi-L\_\_\_\_\_

Sonic\_\_\_\_\_

Others\_\_\_\_\_



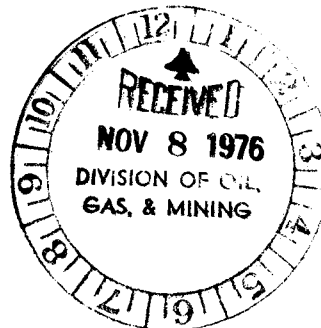
Phone 915 573-5476  
T W X 915 573-9611

## GENERAL CRUDE OIL CO.

Drawer P  
SNYDER, TEXAS 79549  
October 30, 1976

Department of Natural Resources  
Division of Oil, Gas, and Mining  
1588 West, North Temple  
Salt Lake City, Utah 84116

Attention: Cleon B. Feight



Re: General Crude Oil Company's  
No. 1-21 Caldwell  
NE/4, NE/4 Section 21,  
T-5-S, R-23-E  
Uintah County, Utah

Dear Mr. Feight:

Attached are copies of Form OGC-1a, Application for Permit to Drill, Deepen or Plug Back, and Surveyor's plats of location.

Please notify me, if you need any additional information.

Yours very truly,

GENERAL CRUDE OIL COMPANY

Joe L. League  
Regional Drilling Superintendent

JLL:ap  
encl. (3)

cc: Mr. R. L. Laird  
Mr. Fred Wetendorf  
File

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

5. Lease Designation and Serial No.

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil  
Well ☒Gas  
Well ☐

Other

Single  
Zone ☐Multiple  
Zone ☒

2. Name of Operator

General Crude Oil Company

3. Address of Operator

P. O. Drawer P, Snyder, Texas

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface

660' from north line &amp; 660 feet from east line Section 21

At proposed prod. zone

6. If Indian, Allottee or Tribe Name

Private

7. Unit Agreement Name

None

8. Farm or Lease Name

A.C. Caldwell No. 1-21

9. Well No.

1-21

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk.  
and Survey or AreaNE/4, NE/4 Sec. 21  
T-5-S, R-23-E

14. Distance in miles and direction from nearest town or post office\*

One mile east of Jensen, Utah

12. County or Parrish 13. State

Uintah

Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.

(Also to nearest drlg. line, if any)

660'

16. No. of acres in lease

78

17. No. of acres assigned  
to this well

40

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
or applied for, on this lease, ft.

660'

19. Proposed depth

3500'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

4744' Gr.

22. Approx. date work will start\*

Approval plus 3 days

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
11"	8-5/8"	24#	200'	100 Sks. Neat
7-7/8"	4-1/2"	9.5#	3500	250 Sks. Neat

A) 8-5/8" casing will be set at 200 feet and cemented to the surface.

B) 2000 psi blow out preventers and related equipment will be installed and tested before drilling out from under surface casing.

C) If commercial hydrocarbons are encountered, completion will be through 4-1/2" casing and 2-3/8" tubing.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

*Joe A. Deagan*

Title Regional Drilling Superintendent Date October 25, 1976.

(This space for Federal or State office use)

Permit No.

13-047-30246

Approval Date

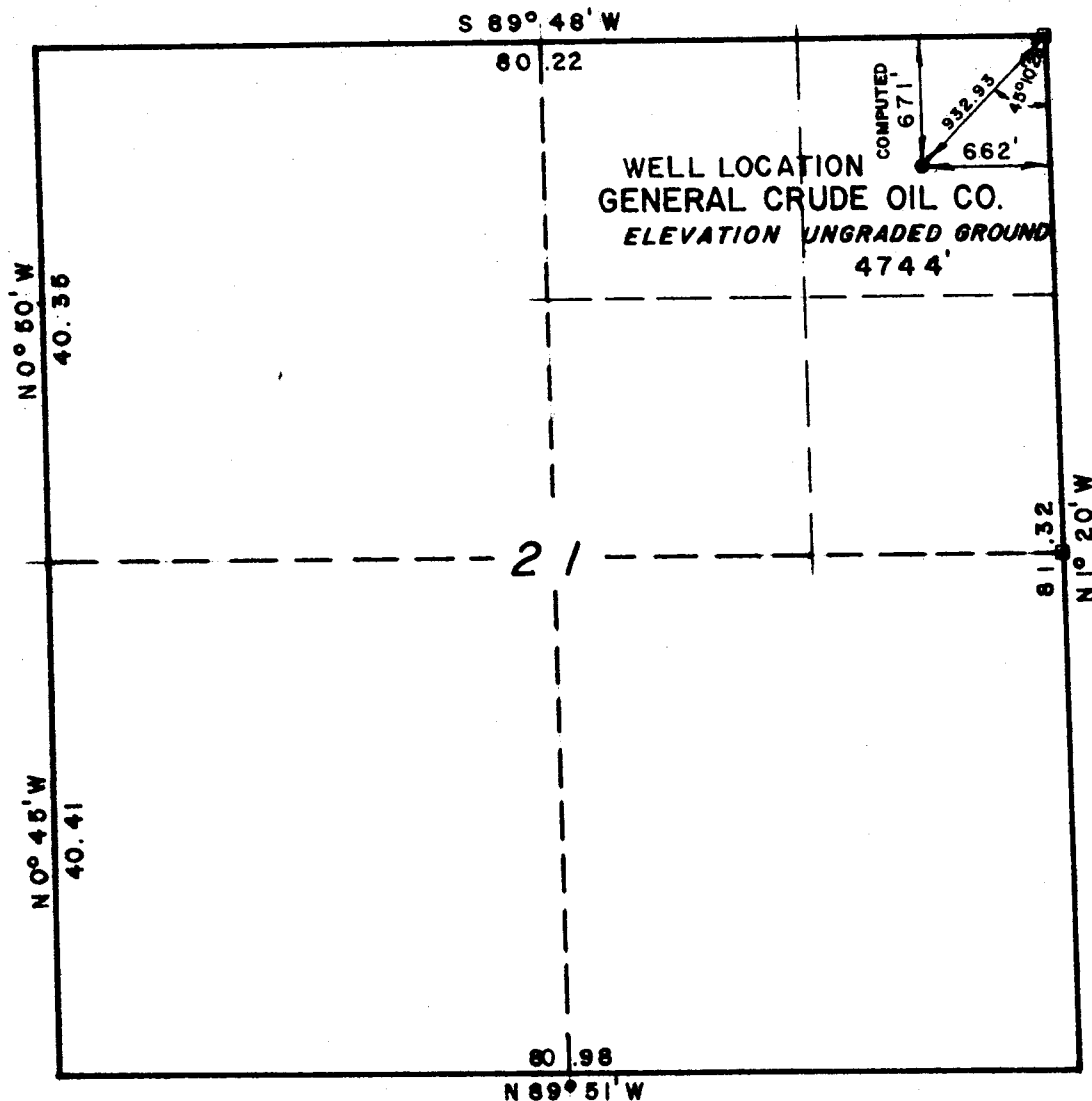
Approved by

Title

Date

Conditions of approval, if any:

T5S, R23E, SLB & M



□ Brass Cap Corners Used.

PROJECT

GENERAL CRUDE OIL COMPANY WELL LOCATION; located in the NE 1/4 NE 1/4 Section 21, T5S, R23E, SLB & M as shown. Uintah County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Richard Marshall*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 26 Oct., 1976
PARTY NJM BWeber	REFERENCES GLO Plat
WEATHER Clouds Winds	FILE General Crude Oil Co.

\*FILE NOTATIONS\*

Date: 11-9-86  
Operator: General Crude Oil Co.  
Well No: A.C. Caldwell #1-21  
Location: Sec. 21 T. 55 R. 23E County: Montana

File Prepared ☒ Entered on N.I.D. ☒  
Card Indexed ☒ Completion Sheet ☒

Checked By:

Administrative Assistant: [Signature]

Remarks: No other wells in Township & Range

Petroleum Engineer/Mined Land Coordinator: ok pd / check on Bond

Remarks:

Director: [Signature]

Remarks:

Include Within Approval Letter:

Bond Required ☒ 11-9-86 Called Survey Plat Required ☐  
Bond is on way - DW.  
Order No. ☐ Blowout Prevention Equipment ☐  
Rule C-3(c) Topographical exception/company owns or controls acreage within a 660' radius of proposed site ☐  
O.K. Rule C-3 ☒ O.K. In ☐ Unit ☐  
Other: ☒

Want notification  
spelling in.

☒ Letter Written

approx. within 48 hours of

November 9, 1976

General Crude Oil Company  
Drawer "P"  
Snyder, Texas 79549

Re: Well No. Caldwell 1-21  
Sec. 21, T. 5 S, R. 23 E,  
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure. Said approval is, however, conditional upon filing a drilling and plugging bond with this office prior to spudding-in.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer  
HOME: 582-7247  
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-047-30246.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
Director

/sw

48  
PLEASE NOTIFY THIS DIVISION WITHIN 24 HRS. OF SPUDDING



Phone 915 573-5476  
TWX 915 573-9611

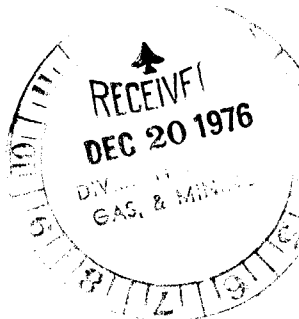
## GENERAL CRUDE OIL CO.

Drawer P

SNYDER, TEXAS 79549

December 14, 1976

State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

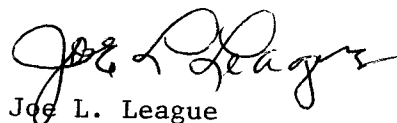


Gentlemen:

Attached please find in quadruplicate Form OGC-8-X, Report of Water Encountered During Drilling, for General Crude Oil Company's A. C. Caldwell Well No. 21-1 in Uintah County, Utah.

Yours very truly,

GENERAL CRUDE OIL COMPANY

  
Joe L. League

JLL:ap  
encl (4)

cc: Mr. R. L. Laird  
File

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
 Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <u>Drilling - Wildcat</u>		5. <b>LEASE DESIGNATION AND SERIAL NO.</b>	
2. <b>NAME OF OPERATOR</b> <u>General Crude Oil Company</u>		6. <b>IF INDIAN, ALLOTTEE OR TRIBE NAME</b> <u>Private Land</u>	
3. <b>ADDRESS OF OPERATOR</b> <u>P. O. Drawer P, Snyder, Texas 79549</u>		7. <b>UNIT AGREEMENT NAME</b> <u>None</u>	
4. <b>LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <u>At surface</u> <u>1 Mile East of Jensen, Utah</u>		8. <b>FARM OR LEASE NAME</b> <u>A.C. Caldwell</u>	
14. <b>PERMIT NO.</b>		9. <b>WELL NO.</b> <u>21-1</u>	
15. <b>ELEVATIONS</b> (Show whether DF, RT, OR, etc.) <u>4744' G.L.</u>		10. <b>FIELD AND POOL, OR WILDCAT</b> <u>Wildcat</u>	
		11. <b>SEC., T., R., M., OR B.L. AND SURVEY OR AREA</b> <u>NE, NE Sec. 21, T-5-S, R-23-E</u>	
		12. <b>COUNTY OR PARISH</b> <u>Uintah</u>	
		13. <b>STATE</b> <u>Utah</u>	

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Drilling</u>	<input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

- A) This well was spudded on 11-17-76.
- B) Set 212 feet of 8-5/8 inch, 24#, new casing and cemented to surface with 200 sacks of Class "C" cement on 11-21-76.
- C) Drilled into fresh water flow at 2000 feet, flowing approximately 100 barrels per hour to surface. Mixed mud with weight material and controlled flow.
- D) On 12-1-76 total depth was 2550 feet. Going in hole with core barrel to cut Core No. 1.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Regional Drlg Supt.

DATE 12-14-76

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> Wildcat		5. LEASE DESIGNATION AND SERIAL NO. NONE
2. NAME OF OPERATOR General Crude Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Private Land
3. ADDRESS OF OPERATOR P. O. Drawer P, Snyder, Texas 79549		7. UNIT AGREEMENT NAME NONE
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE/4 of NE/4, Section 21, T-5-S, R-23-E, SLB & M; One mile east of Jensen, Utah		8. FARM OR LEASE NAME A. C. Caldwell
14. PERMIT NO. -		9. WELL NO. 21-1
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 4744' G.L.		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE, NE, Sec. 21 T-5-S, R-23-E
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☒CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

(a) Recover 4-1/2" casing at free point (12-16-76)

(b) Plug well with cement plugs as follows: (as per verbal approval 12-16-76)

35 sacks of neat cement with top of plug at 2400'  
 25 sacks of neat cement with top of plug at 1700'  
 15 sacks of neat cement with top of plug at 500'  
 20 sacks of neat cement half in and half out at 212'  
 5 sacks for surface marker

(c) Set surface marker four feet above ground (12-18-76)

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE: December 29, 1976

BY: P. L. Driscoll, R.O.

(original signed by Mr. Driscoll)

18. I hereby certify that the foregoing is true and correct

SIGNED

Earl King

TITLE Engineer

DATE 12-22-76

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Memo to File:

Verbal permission was given to Earl Kreig to plug and abandon this well on December 17, 1976.

Pertinent Data: 8 5/8" Surface Casing @ 212'.

*Tops:*

Frontier.....	Surface
Dakota.....	268'
Morrison.....	303'
Curtis.....	1,164'
Entrada.....	1,308'
Carmel.....	1,558'
Navajo.....	1,630'
Chinle.....	2,335'
Moenkopi.....	2,520'
Permian Carbonate.....	3,208
Weber.....	3,320'

Cement plugs will be set as follows:

2500-2400'      250-150'  
1700-1600'      25-Ground Level  
500-400'

PATRICK L. DRISCOLL  
CHIEF PETROLEUM ENGINEER



## GENERAL CRUDE OIL CO.

Drawer P  
SNYDER, TEXAS 79549

December 22, 1976

Department of Natural Resources  
Division of Oil, Gas, and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Attn: Patrick L. Driscoll, Chief Petroleum Engineer

Dear Sir:

Attached please find in triplicate Sundry Notices and Reports, Notice of Intention to Abandon General Crude Oil Company's A. C. Caldwell Well No. 21-1 in Uintah County, Utah.

Verbal approval to abandon was obtained on December 16, 1976.

GENERAL CRUDE OIL COMPANY

Earl Krieg  
Engineer

EK/lp  
encl (3)

cc: Mr. R. L. Laird  
File



K

GENERAL CRUDE OIL COMPANY

CALDWELL 21-1

NE NE SEC. 21, T5S, R23E

UINTAH COUNTY, UTAH

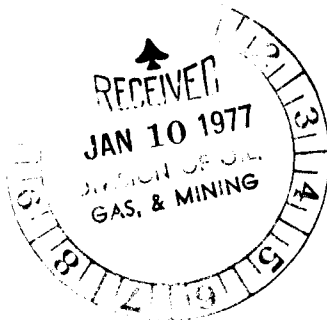
J

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WELL DATA  
CHRONOLOGY  
FORMATION TOPS  
LOG CALCULATIONS  
MUD PROGRAM  
BIT RECORD  
DEVIATIONS  
CORE DESCRIPTION  
CORE ANALYSIS  
DRILL STEM TEST  
SAMPLE DESCRIPTION

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James P. Gillum  
Geologist  
P. O. Box 602  
Casper, Wyoming 82602



# WELL DATA

OPERATOR: General Crude Oil Co.

WELL NAME: Caldwell 21-1

LOCATION: NE NE Sec. 21, T5S, R23E  
Uintah County, Utah

ELEVATION: 4750' G.L., 4762' K.B.

SPUD DATE: 11/17/76

DRILLING COMPLETED: 12/10/76

CONTRACTOR: TWT Exploration, Rig #3  
Toolpusher - Paul Glover

MUD COMPANY: Wilson International, Inc.  
Engineer - Rick Belles, Steve Gray

CASING: 8 5/8" set at 212' K.B.

LOGS: Schlumberger  
Engineer - Hangaard  
DIL - 204-3332'  
BHC-SGR - 204-3326'  
FDC-CNL-GR - 204-3336'  
CDM - 204-3330'

DSTs: Halliburton - Sam Cantrell  
DST #1, 3295-3315'

CORES: Christensen - Don Anderson  
Core #1, 2550-2603'  
Core #2, 3315-3345'

COMPANY REPRESENTATIVE: Benton Cowens

MUD LOGGING COMPANY: Bayles Laboratories - Larry Stevens, Skip Peters

GEOLOGIST: James P. Gillum

TOTAL DEPTH: 3345' Driller, 3338' Schlumberger

STATUS: Completion attempt will be made in the Shinarump

SAMPLES: American Stratigraphic, Casper, Wyoming

## CHRONOLOGY

- 11/18/76 Spudded well at 12:00 noon 11/17. Drilled rathole and 12 $\frac{1}{4}$ " hole to 46'. Lost circulation. Down time 16 hours.
- 19 Reamed surface hole to 17". Set 22' 13 3/8" conductor.
- 20 Drilling 12 $\frac{1}{4}$ " hole at 111' w/spud mud.
- 21 Drilled 12 $\frac{1}{4}$ " hole to 210'. Rigged up and ran 5 jts. 214.74' of 8 5/8" 24# J-55 ST&C Casing, set at 212' K.B. Cemented w/200 sacks Class G Cement w/2% CaCl. Plug down 6:30 AM 11/21/76.
- 22 Drilling cement at 208'.
- 23 Drilling at 876' w/bit #1.
- 24 Drilling at 1366' w/bit #2.
- 25 PTD 2100'. Shut down to mix mud and weight material for water flow in Navajo Sandstone.
- 26 Pumped first pill of mud in hole w/weight of 10.3 and viscosity of 61. Mixed second pill. Second pill controlled water flow, now drilling at 2140' w/bit #2.
- 27 PTD 2367'. Shut down to repair main clutch on drawworks motor.
- 28 Repairing transmission. PTD 2367'.
- 29 Drilling at 2440' w/bit #2.
- 30 PTD 2519'. Mixing gel and weight material to control water flow.
- 12/ 1/76 PTD 2530'. Going in hole w/core barrel.
- 2 PTD 2603'. Cut Core #1, 2550-2603'. Going in hole w/bit #3.
- 3 PTD 2717'. Drilling w/bit #3.
- 4 PTD 2852'. Drilling w/bit #3.
- 5 PTD 2999'. Drilling w/bit #3.
- 6 PTD 3119'. Drilling w/bit #3.

## Chronology

2

- 12/ 7/76    PTD 3214'.    Drilling w/bit #3.
- 8           PTD 3301'.    Lost circulation.    Mixing gel and weight material.
- 9           PTD 3315'.    Going in hole w/test tool for DST #1.
- 10          PTD 3345'.    Ran DST #1, 3295-3315'.    Cut Core #2, 3315-3345'.  
             Pulling out of hole w/Core #2.
- 11          Ran DIL, BHC-SGR, FDC-CNL-GR, and CDM logs.
- 12/12/76    Completion attempt to be made in Shinarump Conglomerate.

# FORMATION TOPS

	<u>TOP</u>	<u>DATUM</u>
<u>CRETACEOUS</u>		
DAKOTA SANDSTONE	268'	+4494'
<u>JURASSIC</u>		
CURTIS FORMATION	1165'	+3597'
ENTRADA SANDSTONE	1309'	+3453'
CARMEL SANDSTONE	1560'	+3302'
NAVAJO SANDSTONE	1632'	+3130'
<u>TRIASSIC</u>		
CHINLE FORMATION	2336'	+2426'
SHINARUMP CONGLOMERATE	2490'	+2272'
MOENKOPI FORMATION	2552'	+2210'
<u>PERMIAN</u>		
PARK CITY FORMATION	3204'	+1558'
<u>PENNSYLVANIAN</u>		
WEBER FORMATION	3330'	+1432'



# LOG CALCULATIONS

<u>Depth</u>	<u>Ø</u>	<u>Rt</u>	<u>Rw</u>		<u>Sw</u>	
			<u>Water Table</u>	<u>SP</u>		
2480-2494	24	5-15	3.5	2.0	100	100
2494-2500	19	20	3.5	2.0	100	100
2500-2508	22	8	3.5	2.0	100	100
2508-2520	shale	-	3.5	2.0	100	100
2520-2550	10	20	3.5	2.0	100	100
3316-3322	2	400	3.5	.9	100	tight
3326-3338	13	100	3.5	.9	100	80

# MUD PROGRAM

The well was drilled with water to a depth of 2100 feet where a gel mud was mixed and maintained at the following properties:

<u>Date</u>	<u>Depth</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Ph</u>	<u>Water Loss</u>	<u>Cum. Cost</u>
11/18/76	43'	8.9	200	--	--	\$ 474.00
19	43'	8.9	200+			910.94
20	121'	9.0	100+	--	--	1112.70
21	W. O. C.					1235.58
23	911'	8.5+	37	6.8	--	1292.78
24	1433'	8.4	27	6.8	--	1281.34
26	2100'	10.0	61	9.0	10.0	3079.24
29	2448'	10.3	50	8.5	8.0	3871.19
30	2535'	9.8+	53	8.5	8.0	3933.11
12/ 1/76	2556'	10.1	74	8.0	8.8	4744.69
2	2675'	10.1	300+	9.0	14.4	4992.94
3	2706'	10.1	53	8.0	12.6	5264.38
4	2850'	10.3	46	10.0	16.0	5576.17
5	3008'	10.4	45	8.0	19.0	--
6	3118'	10.2	82	8.5	16.8	6251.29
7	3200'	9.9	39	7.0	16.0	6472.02
12/ 8/76	3301'	10.2	45	10.0	13.8	\$8778.36
		10.0	52	10.0	13.8	

Note: Any gel or chemicals added after the mud engineers December 8 report was not included in this compilation.

# BIT RECORD

<u>Bit #</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Depth Out</u>	<u>Footage</u>	<u>Hours</u>
1A	12 1/4	Sec	M4N	210'	210'	36
1	7 7/8	HTC	OSC3J	911'	701'	28 1/4
2	7 7/8	HTC	J-33	2550'	1639'	92
	7 7/8	Christensen	Diamond Core MC-20	2603'	53'	11
3	7 7/8	HTC	J-33	3315'	712'	119 1/2
	7 7/8	Christensen	Diamond Core MC-20	3345'	30'	6 1/4

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# DEVIATIONS

<u>Depth</u>	<u>Degree</u>
722'	1°
900'	1 3/4°
1410'	2°
2550'	1°
3127'	1 1/4°

# CORE DESCRIPTION

#1 - 2550-2603'

Cored and recovered 53'

2550 -2550.5	Sandstone, maroon, medium to coarse, subangular, w/lenses of pebble conglomerate, pebbles of frosted quartz grains in matrix of maroon shale, tite, no shows
2550.5-2556	Shale, maroon, w/irregular inclusions of shale, pale green
2556 -2558	Shale, maroon, and pale green, w/thin interbeds anhydrite, white, sucrosic
2558 -2559	Shale, maroon, w/rare anhydrite, and scattered quartz grains, frosted, subangular to subround
2559 -2560	Pebble conglomerate, pebbles, and coarse grains of quartz, most frosted, angular to subround, in matrix of shale, maroon, tite, no shows
2560 -2561	Conglomerate, red, pebbles of quartz, subangular to subround, some frosted, and clasts of shale, $\frac{1}{4}$ " to $\frac{1}{2}$ ", maroon, w/maroon shale matrix, tite, no shows
2561 -2562	Conglomerate, quartz pebbles in matrix of maroon shale, w/ scattered clasts of shale up to $\frac{1}{2}$ " of maroon shale, no shows
2562 -2563.5	Conglomeratic breccia, angular clasts of shale, maroon, red, pale green in matrix of shale, maroon, silty to sandy lenses, no shows
2563.5-2567	Shale, maroon, w/abundant mica on bedding planes
2567 -2568	Shale, maroon, pale green, micaceous
2568 -2576.5	Siltstone, brick red, micaceous, argillaceous
2576.5-2603	This portion of core was dropped from core barrel when catcher slipped.  Siltstone, orange-red, brick red, argillaceous, some micaceous, w/thin interbeds of shale, red, micaceous

## Core Description

2

#2 - 3315-3345'

Cored and recovered 30'

3315 -3317	Dolomite, light gray, very finely to microcrystalline, dense, slightly pyritic, few nearly vertical hairline fracs, some w/tarry dead oil stain and globules, sulphur odor on fresh break
3317 -3318	Dolomite, pale green, very finely to microcrystalline, dense, slightly pyritic, w/pebbles 1/8" and less of dolomite, tan, gray, and scattered blebs of black tarry oil, sulphur odor on fresh break
3318 -3319	Dolomite, light gray, very finely crystalline, dense, finely disseminated pyrite, few hairline fracs, some w/black tarry oil residue, faint sulphur odor on fresh break
3319 -3320	Dolomite, pale green, microcrystalline, dense, slightly brecciated, w/shale, dark gray, interbedded, very irregular bedding
3320 -3321	Dolomite, light gray, finely to medium crystalline, dense, w/scattered black chert, and pebbles and laminations of shale, black
3321 -3322	Dolomite, finely crystalline, dense, slightly pyritic, faint sulphur odor on fresh break
3322 -3324	Dolomite, light gray, very finely to microcrystalline, dense, few hairline vertical fracs, some w/brown dead oil staining
3324 -3325	Dolomite, as above, w/calcite vein filling
3325 -3326	Dolomite, light gray, finely crystalline, dense, finely disseminated pyrite, w/laminations of shale, dark gray
3326 -3327	Limestone, light gray, finely crystalline, dense
3327 -3328.5	Dolomite, light gray, microcrystalline, dense
3328.5-3329	Dolomite, light gray, microcrystalline, dense, few hairline fracs, slightly brecciated
3329 -3330	Dolomite, light gray, microcrystalline, dense, finely disseminated pyrite, no shows

Core Description

3

- 3330 -3330.5 Dolomite, light gray, as above, w/calcite filled vertical  
fracs, 2/32" thick
- 3330.5-3332 Dolomite, light to dark gray, dense, sandy, finely dissem-  
inated pyrite, irregular bedding
- 3332 -3333 Sandstone, light gray, very fine to very coarse, few pebbles  
quartz, subangular to subround, very calcareous, tite, no  
shows
- 3333 -3334 Sandstone, light gray, very fine to fine, subangular, very  
calcareous, tite, no shows
- 3334 -3335 Sandstone, light gray, gray, very fine to fine, subangular,  
calcareous, w/quartz overgrowths, porous, speckled dead oil  
stain
- 3335 -3337 Sandstone, light gray, very fine to fine, subangular to  
subround, calcareous, quartz overgrowths, porous, no shows
- 3337 -3338 Sandstone, light gray, fine to very coarse, subangular to  
subround, calcareous, w/quartz overgrowths, porous, no shows
- 3338 -3341 Sandstone, light gray, fine, subangular to subround, cal-  
careous, quartz overgrowths, porous, no shows
- 3341 -3342 Sandstone, light gray, fine to coarse, subangular to subround,  
calcareous, quartz overgrowths, porous, w/scattered blebs of  
tarry black oil
- 3342 -3343 Sandstone, light gray, very fine to fine, subangular to sub-  
round, calcareous, porous, no shows, 30° dips (cross-bedding)
- 3343 -3345 Sandstone, light gray, fine to medium, few coarse quartz grains,  
subangular to subround, calcareous, porous, quartz overgrowth,  
few laminations of shale, dark gray, no shows

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

## CORE ANALYSIS REPORT

Company	General Crude Oil Co.	Date	December 2, 1976	Lab. No.	21995
Well No.	Caldwell 1-21	Location	NE NE 21-5S-23E		
Field	Wildcat	Formation			
County	Uintah	Depths			
State	Utah	Drilling Fluid			

C—Crack  
F—Fracture  
H—Horizontal  
O—Open

### LEGEND

**NF—No Fracture**

### 18—Insufficient Sample

S—Slight  
St—Stain  
V—Vertical  
Vu—Vugs

SAMPLE NO.	LEGEND	DEPTH, FEET	EFFECTIVE POROSITY PERCENT	PERMEABILITY MILLIDARCIES		SATURATIONS		DESCRIPTION
				HORIZONTAL	VERTICAL	% PORE SPACE RESIDUAL OIL	% PORE SPACE TOTAL WATER	
Core Number 1 2550-2563								
1	NF	2550-50.5	9.0	5.60		0	74.1	Shaley SS
2	NF	2559-60	13.7	0.61		0	50.3	Shaley SS
3	NF	2560-61	10.8	0.67		0	63.8	Shaley SS
4	NF	2561-62	12.7	2.00		0	52.5	Shaley SS
5	NF	2562-63	15.2	1.39		0	58.2	Shaley SS
Core Number 2, 3315-3345 Recovered 30 feet.								
3315-3334, Barren Not Analyzed								
6	NF	3334-35	13.8	68		0	62.8	Sandstone
7	NF	3335-36	8.1	0.15		0	65.8	Sandstone
8	NF	3336-37	12.7	35		0	64.7	Sandstone
9	NF	3337-38	13.4	40		0	66.3	Sandstone
10	NF	3338-39	13.0	23		0	68.3	Sandstone
11	NF	3339-40	12.5	40		0	67.2	Sandstone
12	NF	3340-41	13.2	33		0	75.7	Sandstone
13	NF	3341-42	12.9	98		0	62.0	Sandstone
14	NF	3342-43	11.8	37		0	73.5	Sandstone
15	NF	3343-44	12.1	37		0	67.9	Sandstone
16	NF	3344-45	10.4	31		0	61.3	Sandstone
Trace Dead Oil No.s, 6, 13 and 16.								

# DRILL STEM TEST

#1 - 3295-3315'

Bottom Packer: 3295'  
Top Packer: 3289'  
Bottom Choke: 3/4"  
Top Choke: 1/8" bubble hose

Tool Open: Open @ 8:30 AM. Opened w/very weak blow, died in 30 seconds.

Tool Shut In: 8:45 for 1 hour.

Tool Open: 9:45. Opened dead, continued dead for 1 hour.

Tool Shut In: 10:45 for 2 hours.

BHT: 98°.

Recovered: 11' drilling mud.

Pressures:	<u>Initial</u>	<u>Final</u>
Hydro	1796	1796
Flow	27/27	27/27
Shut In	27	237



## SAMPLE DESCRIPTION

30' samples

210- 290 No samples

### DAKOTA SANDSTONE - 268'

290- 315	<u>Siltstone</u> , dark gray, gray, some slightly calcareous, argillaceous
315- 350	<u>Siltstone</u> , as above, w/sandstone, white, light gray, very fine to fine, subangular, siliceous, white clay matrix, soft, friable, porous, no shows, w/trace shale, pale green, subwaxy, soft
350- 380	<u>Shale</u> , pale green, subwaxy, soft
380- 410	<u>Shale</u> , pale green, light gray, subwaxy, soft, w/limestone, tan, finely crystalline, dense
410- 440	<u>Shale</u> , green, maroon, purple, light gray, firm, w/limestone, white, cream, microcrystalline, dense
440- 500	<u>Shale</u> , purple, pale green, light gray, firm, w/trace limestone, as above
500- 530	<u>Shale</u> , maroon, light gray, some sandy, w/limestone, light gray, microcrystalline, dense
530- 560	<u>Shale</u> , as above, w/sandstone, light gray, medium to very coarse, angular to subangular, friable, numerous yellow stained quartz grains
560- 590	<u>Sandstone</u> , light gray, medium to very coarse, angular to round, friable, drills into free grains, 90% quartz
590- 620	<u>Sandstone</u> , as above, w/shale, yellow, maroon, light gray
620- 650	<u>Shale</u> , light to medium gray, maroon, w/trace sandstone, as above
650- 680	<u>Shale</u> , red, green, gray, some silty
680- 770	<u>Shale</u> , red, maroon, green, gray, white, some silty to sandy
770- 830	<u>Shale</u> , light gray, gray, pale green, maroon, some silty
830- 860	<u>Shale</u> , as above, w/sandstone, light gray, fine to very coarse, subangular to round, friable, porous, drills into free grains
860- 890	<u>Shale</u> , gray, red, purple, green, light gray, some silty
890- 920	No samples
920- 950	<u>Shale</u> , as above, w/sandstone, light gray, fine, subangular, calcareous, friable, porous, no shows
950-1000	<u>Sandstone</u> , light gray, medium to very coarse, subangular to round, mostly clear quartz grains, w/trace white clay matrix, porous, pyritic

10' samples

1000-1050	<u>Sandstone</u> , light gray, fine to very coarse, subangular to round, porous, drills into free quartz grains, trace pyrite, w/trace shale, gray, red, purple, green
-----------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## Sample Description

2

- 1050-1060 Shale, red, gray, green, purple, some mottled, w/sandstone, as above  
 1060-1070 Shale, as above, w/50% sandstone, light gray, fine to coarse, subangular to round, calcareous, porous, mostly drills into free grains  
 1070-1080 Siltstone, red-brown, argillaceous, very calcareous, some sandy, w/shale and sandstone, as above  
 1080-1100 Siltstone, red-brown, as above, w/shale, light gray, purple, maroon, gray, white, some mottled  
 1100-1130 Siltstone, as above, w/sandstone, light gray, fine to very coarse, subangular-subround, porous, friable, drills into free grains, w/trace limestone, white, cream, dense  
 1130-1140 Siltstone, red, red-brown, argillaceous, w/shale, red, gray, purple, maroon, some silty to sandy  
 1140-1150 Siltstone and shale, as above, w/sandstone, light gray, white, fine to medium, subangular to subround, calcareous, white clay matrix, porous, friable  
 1150-1160 Shale, red, brown, gray, some silty, calcareous

### CURTIS FORMATION - 1165'

- 1160-1180 Shale and siltstone, as above, w/sandstone, fine to coarse, subangular to round, calcareous, some white clay matrix, porous, friable  
 1180-1190 Shale, brown, red, purple, gray, light gray, green, some silty  
 1190-1210 Shale, as above, w/sandstone, light gray, fine to coarse, subangular to subround, porous, friable  
 1210-1220 Sandstone, light gray, fine to coarse, subangular, subround, porous, friable, w/shale as above  
 1220-1250 Sandstone, gray, salt and pepper, fine, subangular, calcareous, slightly argillaceous, porous, no shows  
 1250-1320 Sandstone, gray, fine, subangular, calcareous, slightly argillaceous, rare glauconite, porous, no shows

### ENTRADA SANDSTONE - 1309'

- 1320-1350 Sandstone, gray, as above, glauconite more abundant  
 1350-1370 Sandstone, gray, fine to coarse, subangular to subround, glauconitic, calcareous, porous, friable  
 1370-1400 Sandstone, light gray, fine to medium, subangular to subround, glauconitic, calcareous, porous, friable, w/shale, maroon, purple, green, some mottled  
 1400-1410 Shale, red, maroon, purple, gray, light gray, w/sandstone, as above  
 1410-1510 Shale, medium gray, calcareous, slightly micaceous, finely disseminated carbonaceous material, some silty to sandy, very poor samples  
 1510-1540 Shale, red, gray, green, maroon, white, some silty

Sample Description

3

1540-1550 Siltstone, red, argillaceous, calcareous, w/shale, as above

CARMEL FORMATION - 1560'

1550-1580 Siltstone, red, brown, argillaceous, calcareous, some sandy, w/shale, gray, green, soft, w/sandstone, red, orange, white, fine to medium, subangular, calcareous, porous, argillaceous

1580-1590 Siltstone, as above, w/shale, green, some silty

1590-1610 Siltstone, red, brown, argillaceous, calcareous, as above, w/shale, green, gray, white, and sandstone, as above

1610-1630 Siltstone, red, argillaceous, calcareous, w/shale as above

NAVAJO SANDSTONE - 1632'

1630-1670 Shale, light gray, purple, soft, w/siltstone as above

1670-1690 Sandstone, light gray, fine, subangular-subround, siliceous, porous, no shows, w/shale and siltstone, as above

1690-1710 Sandstone, light gray, buff, fine, subangular to subround, siliceous, porous, no shows, w/shale, gray, purple, red, maroon, green

1710-1740 Sandstone, light gray, orange, red, fine, subangular to subround, siliceous, porous, no shows, w/shale, as above

1740-1770 Sandstone, light gray, fine to coarse, subangular to round, siliceous, pyritic, porous, friable, drills into free grains, no shows

1770-1840 Sandstone, light gray, pale red, fine, subangular to subround, siliceous, porous, no shows, w/shale, gray, red, purple, maroon, green

1840-1880 Sandstone, as above, w/abundant cavings

1880-1960 Sandstone, light gray, pale red, fine to coarse, subangular to round, siliceous, porous, friable, drills into free grains, no shows, w/abundant cavings

1960-1970 No samples

1970-2070 Sandstone, light gray, pale red, fine to coarse, subangular to round, siliceous, porous, friable, drills into free quartz grains, w/abundant cavings

2070-2080 No samples

2080-2100 Sandstone, light gray, buff, fine to coarse, subangular to round, siliceous, porous, friable, drills into free quartz grains, very poor samples

2100-2110 Sandstone, as above, w/abundant cavings

Sample Description

4

2110-2130 Sandstone, buff, light gray, fine to medium, subangular to subround, siliceous, porous, w/abundant cavings

2130-2290 No samples

2290-2320 Sandstone, light gray, light red, fine, subangular, siliceous, porous, no shows

CHINLE FORMATION - 2336'

2320-2350 Sandstone, light gray, fine, subangular, siliceous, porous, no shows  
2350-2360 Sandstone, as above, w/shale, red, slightly calcareous, some slightly silty, w/trace anhydrite, white

2360-2370 Sandstone, as above, w/shale, red, slightly calcareous, some silty

2370-2380 Siltstone, red, orange-red, argillaceous, calcareous

2380-2430 Siltstone, red, orange-red, argillaceous, calcareous w/trace anhydrite, white

2430-2440 Siltstone, as above, w/shale, brown, yellow

2440-2460 Shale, yellow, brown, calcareous, some silty, w/siltstone, as above

2460-2470 Shale, yellow, calcareous, w/calcite inclusions, some silty, w/shale, light gray, brown, red, some silty, w/abundant free quartz grains

2470-2480 Shale, yellow, as above, w/shale, red, maroon, soft, very poor samples

2480-2500 Shale, yellow, maroon, some silty, w/abundant free quartz grains

SHINARUMP CONGLOMERATE - 2490'

2500-2520 Shale, red, green, purple, yellow, gray, light gray, brown, some slightly calcareous, w/scattered anhydrite inclusions

2520-2550 Shale, yellow, red, green, purple, gray, light gray, mottled red and white, some slightly calcareous

Core #1 - 2550-2603'

MOENKOPI FORMATION - 2552'

2603-2620 Shale, brick red, yellow, calcareous, some silty

2620-2640 Siltstone, brick red, calcareous, argillaceous, w/shale, brick red, yellow, calcareous

2640-2660 Siltstone, brick red, calcareous, argillaceous, w/scattered inclusions anhydrite, coarsely crystalline, and shale, red, calcareous

2660-2680 Siltstone, brick red, calcareous, argillaceous

2680-2710 Siltstone, brick red, calcareous, argillaceous, w/shale, brick red, calcareous

2710-2780	<u>Siltstone</u> , brick red, calcareous, argillaceous
2780-2790	<u>Siltstone</u> , as above, w/shale, yellow, calcareous
2790-2850	<u>Siltstone</u> , as above, w/shale, yellow, yellow-white, mottled, white and pale purple, calcareous
2850-2860	<u>Dolomite</u> , light gray, cream, gray, pale green, microcrystalline to finely crystalline, dense, possible dead oil stain
2860-2870	<u>Siltstone</u> , reddish brown, argillaceous, calcareous, w/sandstone, light gray, very fine, subangular, calcareous, tite, no shows
2870-2880	<u>Siltstone</u> , as above, w/sandstone, cream, gray, very fine, subangular, calcareous, tite, no shows
2880-2910	<u>Siltstone</u> , red-brown, argillaceous, calcareous
2910-2930	<u>Siltstone</u> , as above, w/shale, yellow, white, yellow-white, mottled, calcareous
2930-2950	<u>Siltstone</u> , brownish red, argillaceous, calcareous, w/shale, yellow, white, calcareous, w/trace anhydrite, white
2950-2960	<u>Siltstone</u> , brownish red, argillaceous, calcareous, w/shale, yellow, white, calcareous, w/sandstone, tan, very fine, subangular, calcareous, tite
2960-3060	<u>Siltstone</u> , brownish red, argillaceous, calcareous, w/inclusions anhydrite, white, crystalline
3060-3080	<u>Siltstone</u> , brown, red, argillaceous, calcareous, w/sandstone, light gray, very fine to fine, subangular, siliceous, tite, no shows
3080-3090	<u>Siltstone</u> , as above, w/50% sandstone, red-tan, light gray, subangular, calcareous, tite, no shows
3090-3100	<u>Sandstone</u> , light gray, red-tan, very fine, subangular, calcareous, micaceous, tite, no shows, w/siltstone, as above
3100-3140	<u>Siltstone</u> , brown-red, calcareous, argillaceous
3140-3160	<u>Siltstone</u> , red, calcareous, argillaceous, and shale, red, calcareous
3160-3170	<u>Siltstone</u> , red, calcareous, argillaceous
3170-3190	<u>Siltstone</u> , as above, w/shale, yellow, white, pink, red, mottled
3190-3210	<u>Siltstone</u> , red, calcareous, argillaceous, w/shale, yellow, white, some mottled, calcareous

#### PARK CITY FORMATION - 3204'

3210-3220	<u>Siltstone</u> , as above, w/dolomite, brown, finely crystalline, sandy, tite, w/dead oil stain, and dolomite, light gray, pale green, microcrystalline, dense, no shows
5' samples	
3220-3225	<u>Siltstone</u> , as above, w/dolomite, brown, finely crystalline, sandy, tite, w/even brown to black oil stain, no fluorescence, slow streamer cut, no odor, and trace dolomite, light gray, pale green, as above

- 3225-3235 Siltstone, red, calcareous, very argillaceous, w/10% dolomite, brown, finely crystalline, tite, w/even brown to black oil stain, fast golden streamer cut, no odor or fluorescence, mostly dead oil staining
- 3235-3240 Shale, red, calcareous, silty, w/dolomite, light gray-green, tan, micro to very finely crystalline, dense, no odor, stain, cut or fluorescence
- 3240-3250 Shale, as above, w/siltstone, red, argillaceous, calcareous, w/dolomite, light gray, tan, micro to very finely crystalline, dense, no odor, stain, cut or fluorescence
- 3250-3260 Siltstone, red, argillaceous, calcareous, w/dolomite, light gray, very finely to finely crystalline, tite, no odor, stain, cut or fluorescence
- 3260-3265 Very poor sample - 100% cavings
- 3265-3270 Very poor sample, trace dolomite, tan, cream, very finely crystalline, tite, no odor, stain, cut or fluorescence
- 3270-3280 Siltstone, red, argillaceous, calcareous, w/shale, yellow, white, purple, mottled, w/trace dolomite, tan, finely crystalline, tite, few chips w/black oil stain, no fluorescence or cut
- 3280-3290 Siltstone and shale, as above, w/dolomite, cream, tan, very finely crystalline, dense, no odor, stain, cut or fluorescence
- 3290-3300 Dolomite, cream, tan, very finely crystalline, tite, no odor, stain, cut or fluorescence, w/siltstone and shale, as above

Lost circulation @ 3301'

- 3300-3305 Dolomite, as above, abundant cavings
- 3305-3310 Dolomite, as above, w/sandstone, light gray, tan, fine to medium, subangular, porous, few chips w/light brown stain, bright fluorescence, milky cut, no odor
- 3310-3315 Sandstone, light gray, very fine to fine, subangular, calcareous, friable, slightly porous, finely disseminated pyrite, spotted brown oil stain, white to pale yellow fluorescence, good cut, and sandstone, tan, fine to medium, subangular, slightly calcareous, porous, w/even brown oil stain, bright white to gold fluorescence, good streamer cut

Circulating samples

- 3315 Sandstone, light gray, fine, subangular, calcareous, slightly porous to tite, spotted brown oil stain, dull gold fluorescence, slow milky streamer cut, and dolomite, light gray, cream, finely crystalline, some sandy, w/chert, white, light gray

Core #2 - 3315-3345'

WEBER FORMATION - 3330'



✓

Phone 915 573-5476  
TWX 915 573-9611

## GENERAL CRUDE OIL CO.

Drawer P  
SNYDER, TEXAS 79549

P

January 13, 1977

Department of Natural Resources  
Division of Oil, Gas, and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Attn: Patrick L. Driscoll, Chief Petroleum Engineer

Dear Sir:

Attached please find in triplicate Sundry Notices and Reports, Subsequent Report of Abandonment of General Crude Oil Company's A. C. Caldwell Well Number 21-1 in Uintah County, Utah.

Verbal approval to abandon was obtained on December 16, 1976.

GENERAL CRUDE OIL COMPANY

*Earl Krieg*

Earl Krieg  
Engineer

EK:jr  
encl.

cc: Mr. R. L. Laird  
File

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT        TRIPLICATE\*  
 (Other instructions on  
 reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
 Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <span style="float:right">Wildcat</span> 2. NAME OF OPERATOR General Crude Oil Company 3. ADDRESS OF OPERATOR P. O. Drawer P, Snyder, Texas 79549 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE/4 of NE/4, Section 21, T-5-S, R-23-E, SLB & M: One mile east of Jensen, Utah 14. PERMIT NO. -		5. LEASE DESIGNATION AND SERIAL NO. NONE 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Private Land 7. UNIT AGREEMENT NAME NONE 8. FARM OR LEASE NAME A. C. Caldwell 9. WELL NO. 21-1 10. FIELD AND POOL, OR WILDCAT Wildcat 11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA NE, NE, Sec. 21 T-5-S, R-23-E 12. COUNTY OR PARISH    13. STATE Uintah                      Utah
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 4744' G.L.		

16.

**Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐  
 FRACTURE TREAT ☐  
 SHOOT OR ACIDIZE ☐  
 REPAIR WELL ☐  
 (Other) ☐

PULL OR ALTER CASING ☐  
 MULTIPLE COMPLETE ☐  
 ABANDON\* ☐  
 CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐  
 FRACTURE TREATMENT ☐  
 SHOOTING OR ACIDIZING ☐  
 (Other) ☐

REPAIRING WELL ☐  
 ALTERING CASING ☐  
 ABANDONMENT\* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

(a) Rig up McCullough wireline and ran free point indicator. Ran McCullough jet cutter and cut 4-1/2" casing at 1201'. Pulled free casing (12-16-76)

(b) Plugged well with cement plugs as follows: (12-17-18-76)

35 sacks of neat cement from 2400' to 2620'  
 25 sacks of neat cement from 1700' to 2021'  
 15 sacks of neat cement from 500' to 535'  
 20 sacks of neat cement from 180' to 241'  
 35 sacks of 75 - 25% Class "G" and Calseal cement from surface to 42'

(c) Installed surface marker four feet above ground (12-18-76)

18. I hereby certify that the foregoing is true and correct

SIGNED Earl KingTITLE EngineerDATE 1-13-77

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side





CALVIN L. RAMPTON  
*Governor*

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

CLEON B. FEIGHT  
*Director*

GUY N. CARDON  
*Chairman*

CHARLES R. HENDERSON  
ROBERT R. NORMAN  
JAMES P. COWLEY  
HYRUM L. LEE

March 18, 1977

General Crude Oil Company  
P. O. Drawer P  
Snyder, Texas 79549

Re: Well No. A. C. Caldwell 21-1  
Sec. 21, T. 58, R. 23E  
Uintah County, Utah

Gentleman:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above referred to well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3 in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER  
RECORDS CLERK



Phone 915 573-5476  
T W X 915 573-9611

## GENERAL CRUDE OIL CO.

Drawer P  
SNYDER, TEXAS 79549

March 25, 1977

State of Utah  
Department of Natural Resources  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Attention: Records Clerk

Re: A. C. Caldwell Well No. 21-1  
Uintah County, Utah

Dear Ms. Ostler:

Attached is Form OGC-3, Well Completion or Recompletion Report and Log for General Crude Oil Company's A. C. Caldwell 21-1, Uintah County, Utah. Also enclosed is one set of logs run on the well.

If there are any questions, please advise.

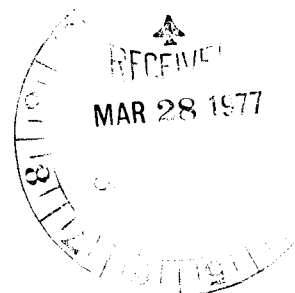
Yours very truly,

GENERAL CRUDE OIL COMPANY

F. P. Osborne  
District Manager

FPO:EK:ap  
encl. (2)

cc: Mr. J. W. Hargis  
Mr. Fred Wetendorf  
File



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING  
\* \* \* \* \*

Well Name and Number A. C. Caldwell Well No. 21-1

Operator General Crude Oil Company

Address P. O. Drawer P, Snyder, Texas 79549

Contractor TWT Exploration

Address P. O. Box 1329, Park City, Utah

Location NE 1/4, NE 1/4, Sec. 21; T. 5 N; R. 23 E; Uintah County  
S W

Water Sands:

	<u>Depth:</u>		<u>Volume:</u>		<u>Quality:</u>
	From-	To-	Flow Rate or Head -		Fresh or Salty -
1.	268'	300'	No Gauge		Fresh
2.	518'	535'	No Gauge		Fresh
3.	2050'	2320'	100 Bbls. per Hour		Fresh
4.					
5.					

(Continue on Reverse Side if Necessary)

<u>Formation Tops:</u>	Dakota	268'	Carmel	1558'	Moenkoti	2540'
	Morrison	300'	Navaho	1630'	Park City	3202'
	Curtis	1164'	Chinle	2335'	Weber	3330'
	Entrada	1308'	Shinarump	2490'		

- NOTE: (a) Upon diminishing supply of forms, please inform this office.  
(b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.  
(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____										5. LEASE DESIGNATION AND SERIAL NO. None	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <u>Dry Hole</u>										6. IF INDIAN, ALLOTTEE OR TRIBE NAME Private Land	
2. NAME OF OPERATOR General Crude Oil Company										7. UNIT AGREEMENT NAME None	
3. ADDRESS OF OPERATOR P. O. Drawer P, Snyder, Texas 79549										8. FARM OR LEASE NAME A. C. Caldwell	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface NE/4 of NW/4, Section 21, T-5-S, R-23-E, SLB&M, 1 Mile east of Jensen, Utah At top prod. interval reported below At total depth										9. WELL NO. 21-1	
14. PERMIT NO. 43-047-30246      DATE ISSUED 11-9-76										10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DATE SPUDDED 11-17-76		16. DATE T.D. REACHED 12-10-76		17. DATE COMPL. (Ready to prod.) --		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4762 RKB		19. ELEV. CASINGHEAD 4752'		12. COUNTY OR PARISH Uintah	
20. TOTAL DEPTH, MD & TVD 3345', 3343'		21. PLUG, BACK T.D., MD & TVD 2710', 2708'		22. IF MULTIPLE COMPL., HOW MANY* --		23. INTERVALS DRILLED BY --		ROTARY TOOLS All		CABLE TOOLS None	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None										25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN CNL-FD-DILL-Sonic-CBL-GR										27. WAS WELL CORED Yes	
28. CASING RECORD (Report all strings set in well)											
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
8-5/8"		24		215'		12-1/4"		200 Sks. Class C		-	
4-1/2"		10.5		2655'		7-7/8"		410 Sks. Class G		1201'	
29. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		30. TUBING RECORD	
-										SIZE	
										DEPTH SET (MD)	
										PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)											
2494'-2500' w/2 JSPF											
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.											
DEPTH INTERVAL (MD)						AMOUNT AND KIND OF MATERIAL USED					
2494'-2500'						200 Gals. HF; 1000 Gals. 15% MCA & 300 SCF/Bbl. N <sub>2</sub>					
33.* PRODUCTION											
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)						WELL STATUS (Producing or shut-in)			
None											
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
										WATER—BBL.	
										GAS-OIL RATIO	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.	
										OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)										TEST WITNESSED BY	
35. LIST OF ATTACHMENTS											
1 - DILL, 1 - BHC Sonic, 1 - CNL, 1 - Cement Bond Log - Gamma Ray											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED <u>J.P. Roberts</u>				TITLE <u>District Manager</u>				DATE <u>3-25-77</u>			

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Cored				Dakota	268	267
Moenkopi	2550	2603	53' Shale	Morrison	300	299
Weber	3315	3345	30'; 19' of Dolomite, 11' Sand	Curtis	1164	1163
				Entrada	1308	1307
DST				Carmel	1558	1557
				Navaho	1630	1629
Weber	3295	3315	SI f/60 mins. f/ISIP. Op tool w/weak blow f/30 sec. & died. Left op f/60 mins. SI f/120 mins f/FSIP. Rec 11' of drilling mud. ISIP 27, IFP, 27, FFP 27, FSIP 239, I&FHMP 1796.	Chinle	2335	2333
				Shinarump	2490	2488
				Moenkopi	2540	2538
				Park City	3202	3200
				Weber	3330	3328

